

Docket No.: PST-29202/36 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Ali K. Kalkan et.al.

Application No.: 10/542,951

Confirmation No.: 2017

Filed: July 21, 2005

Art Unit: N/A

For: NANOPARTICLE COATED
NANOSTRUCTURED SURFACES FOR
DETECTION, CATALYSIS AND DEVICE
APPLICATIONS

Examiner: Not Yet Assigned

REVOCATION OF POWER OF ATTORNEY
AND NEW POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

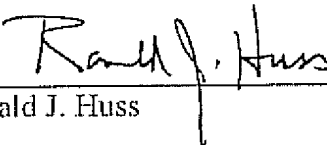
On behalf of the Assignee for the above-identified application, I hereby revoke all powers of attorney previously given and hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected herewith:

All practitioners at Customer Number 25006.

Address all communications to:

Douglas L. Wathen
GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.
2701 Troy Center Drive, Suite 330
Post Office Box 7021
Troy, Michigan 48007-7021
(734) 913-9300

For: The Penn State Research Foundation



Ronald J. Huss

Dated: _____

11/1/07



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 21, 2006

PTAS



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JERRY COHEN
BURNS & LEVINSON LLP
ONE BEACON STREET
30TH FLOOR
BOSTON, MA 02108

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 04/27/2006

REEL/FRAME: 017820/0833
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KALKAN, ALI KAAAN

DOC DATE: 04/11/2006

ASSIGNOR:

FONASH, STEPHEN J.

DOC DATE: 04/11/2006

ASSIGNEE:

PENN STATE RESEARCH FOUNDATION
304 OLD MAIN
UNIVERSITY PARK, PENNSYLVANIA 16802

SERIAL NUMBER: 10542951

FILING DATE: 07/21/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: NANOPARTICLE COATED NANOSTRUCTURED SURFACES FOR DETECTION,
CATALYSIS AND DEVICE APPLICATIONS

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KIMBERLY WHITE, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

05-01-2006

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



ET

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Ali Kaan Kalkan
Stephen J. Fonash

2. Name and address of receiving party(ies)

Name: Penn State Research Foundation

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 04/11/06

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

Street Address: 304 Old Main

City: University Park

State: PA

Country: USA Zip: 16802

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

10/542,951

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Jerry Cohen

Internal Address: Burns & Levinson LLP

Street Address: One Beacon Street

30th Floor

City: Boston

State: MA Zip: 02108

Phone Number: 617-854-4000

Fax Number: _____

Email Address: jcohen@burnslev.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

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b. Deposit Account Number 03-2410 (30626-108)

Authorized User Name Peter J. Borghetti

9. Signature:

Signature

April 25, 2006

Date

Peter J. Borghetti

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: _____

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, we, Ali Kaan Kalkan, a resident of State College, Pennsylvania; and Stephen J. Fonash, a resident of State College, Pennsylvania (hereinafter referred to collectively as "Assignors"), have jointly made an invention entitled NANOPARTICLE COATED NANOSTRUCTURED SURFACES FOR DETECTION, CATALYSIS AND DEVICE APPLICATIONS, which claims priority to International Application No.: PCT/US04/01696, filed on January 21, 2004; which claims priority to U.S. Provisional Application No. 60/441,743, filed on January 21, 2003; and for which an application for a United States Patent was filed on July 21, 2005, under U.S. Serial No.: 10/542,951.

WHEREAS, The Penn State Research Foundation, a corporation organized and existing under the laws of the State of Pennsylvania, and having its principal place of business at 304 Old Main, University Park, Pennsylvania 16802 (hereinafter referred to as "Assignee"), is desirous of acquiring all right, title and interest in said invention.

NOW, THEREFORE, in acknowledgment of the receipt of good and valuable consideration, Assignors by these presents, do sell, assign and transfer to Assignee, all of Assignors entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as if the same would have been held by Assignors had this sale, assignment and transfer not been made.

Assignors hereby authorize and request the Commissioner for Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignors covenant with Assignee, its successors, assigns, and legal representatives that Assignors have full right to convey the entire interest herein assigned, and that Assignors have not executed any agreement in conflict herewith and will not execute any agreement or conveyance in conflict herewith.

Assignors further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, and testify in any legal proceeding, sign all lawful papers, including, without limitation, application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and generally do everything reasonably requested of Assignors by

Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and/or exploit said invention.

Executed this 11 day of April, 2006.

Ali Kaan Kalkan
Ali Kaan Kalkan

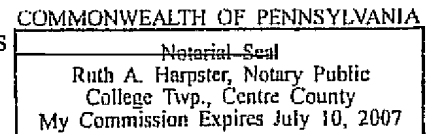
State of Pennsylvania)
County of Centre) ss.

Before me appeared Ali Kaan Kalkan on this 11th day of April, 2006, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Ruth A. Harpster

Notary Public

My commission expires



SEAL

Executed this 11 day of April, 2006.

Stephen J. Fonash
Stephen J. Fonash

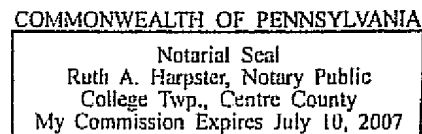
State of Pennsylvania)
County of Centre) ss.

Before me appeared Stephen J. Fonash on this 11th day of April, 2006, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Ruth A. Harpster

Notary Public

My commission expires



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